



# COMMONWEALTH of VIRGINIA

## DEPARTMENT OF FORENSIC SCIENCE

CENTRAL LABORATORY  
A Nationally Accredited Laboratory

700 NORTH 5TH STREET  
RICHMOND, VIRGINIA 23219  
(804) 786-6971

### CERTIFICATE OF INSTRUMENT ACCURACY

INSTRUMENT: Intox EC/IR II  
SERIAL NUMBER: 010595  
CERTIFICATION DATE: September 18, 2013  
DATE RECERTIFICATION DUE: March 17, 2014

The above listed instrument was found to meet all requirements for accuracy and performance established by the Department of Forensic Science. This certification is valid from the above listed certification date until the above listed date for recertification.

Melissa Kennedy

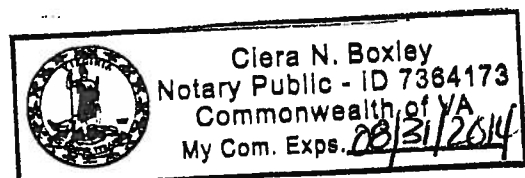
Program Manager, Calibration & Training

CITY OF RICHMOND  
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 20th day of September, 2013 by Melissa Kennedy

Ciera N. Boxley, Notary Public

My commission expires: August 31, 2014



DBH  
NJK

**Department of Forensic Science  
Breath Alcohol Section  
Instrument Maintenance History  
1/1/1990 To 9/19/2013**

**Instrument Serial Number: 010595** **As of 19-Sep-13**

<b>Maintenance Date</b>	<b>Certification Date</b>	<b>Technician Initials</b>	<b>Remarks</b>
18-Sep-13	18-Sep-13	DBH (21250)	CERTIFIED.
09-Jul-13	09-Jul-13	HMS (18910)	REPLACED UPS BACK-UP BATTERY, FIRMWARE/SOFTWARE UPGRADE, CALIBRATED AND CERTIFIED.
02-Apr-13	02-Apr-13	HMS (18910)	CERTIFIED, REPLACED DRY GAS STANDARD.
17-Oct-12	17-Oct-12	HMS (18910)	FIRMWARE/SOFTWARE UPGRADE, CALIBRATED AND CERTIFIED, REPLACED DRY GAS STANDARD.
01-May-12	01-May-12	HMS (18910)	CERTIFIED, REPLACED DRY GAS STANDARD.
07-Nov-11	07-Nov-11	HMS (18910)	MOVED INSTRUMENT TO NEW LOCATION WITHIN THE SAME FACILITY. CERTIFIED
07-Jun-11	07-Jun-11	HMS (18910)	REPLACED DRY GAS STANDARD, CERTIFIED
29-Dec-10	29-Dec-10	HMS (18910)	CERTIFIED
16-Sep-10	13-Jul-10	HMS (18910)	REPLACED PRINTER.
13-Jul-10	13-Jul-10	HMS (18910)	REPLACED DRY GAS STANDARD, CALIBRATED AND CERTIFIED.
29-Jan-10	29-Jan-10	HMS (18910)	CERTIFIED
18-Aug-09	18-Aug-09	HMS (18910)	CALIBRATED AND CERTIFIED.
25-Mar-09	25-Mar-09	HMS (18910)	FIRMWARE/SOFTWARE UPGRADE, CERTIFIED.
12-Dec-08	12-Dec-08	HMS (18910)	CERTIFIED.
19-Nov-08	19-Nov-08	NMJ (22392)	CALIBRATED, CERTIFIED AND ACCEPTED.

DBH  
WHL

# INTOX EC/IR II Quality Assurance Worksheet

Instrument Serial Number *Danville* 010595 Worksheet Start Date 9/18/2013  
Location *for 9/21/13* Danville City Jail  
Address 427 Patton St Danville VA 24541  
DFS Technician Donald Hall License No. 21250  
☐ Laboratory ☒ On-Site

## Site Specifications

Yes No

**1 Secured Environment:**

Location must not be accessible to the general public.

☒

☐

**2 Environment free from contaminants**

☒

☐

**3 Dedicated telephone line:**

The phone line should be used solely by the instrument.

☒

☐

**4 Adequate Ventilation:**

Enough space must be provided for the instrument and the printer to allow for adequate ventilation.

☒

☐

**5 Stable temperature controls:**

The instrument should not be exposed to direct sources of temperature variation.

☒

☐

**6 115VAC power source:**

Whenever possible instrument power circuit should not be shared with refrigerators, copy machines or other high amperage devices.

☒

☐

**7 Room Condition:**

The site should be free of excessive moisture, heat and dust.

☒

☐

Old serial no.	New serial no.	Supplies	
E-Seek		Mouthpieces	100
Keyboard		Certificates of Analysis	100
Printer		Operator Worksheet	
UPS		Other:	

Maintenance (if any)

Comments (if any)

Instrument Serial Number 010595

Certification Date 9/18/2013

Instrument Barometer (mm HG) 757

Reference Barometer (mm HG) 760

Reference Barometer(RB)Serial # 009110

RB Calibration Due 5/30/2014

<b>Standard (sea level)</b>	<b>PA Target</b>	<b>minimum</b>	<b>maximum</b>	<b>Sample 1</b>	0.247
0.250	0.249	0.241	0.256	<b>Sample 2</b>	0.247
<b>Precision</b>		<b>sample min</b>	<b>sample max</b>	<b>Sample 3</b>	0.246
0.001		0.246	0.247		

<b>Standard (sea level)</b>	<b>PA Target</b>	<b>minimum</b>	<b>maximum</b>	<b>Sample 1</b>	0.149
0.150	0.149	0.144	0.153	<b>Sample 2</b>	0.149
<b>Precision</b>		<b>sample min</b>	<b>sample max</b>	<b>Sample 3</b>	0.149
0		0.149	0.149		

<b>Standard (sea level)</b>	<b>PA Target</b>	<b>minimum</b>	<b>maximum</b>	<b>Sample 1</b>	0.079
0.080	0.080	0.077	0.083	<b>Sample 2</b>	0.080
<b>Precision</b>		<b>sample min</b>	<b>sample max</b>	<b>Sample 3</b>	0.079
0.001		0.079	0.080		

<b>Standard (sea level)</b>	<b>PA Target</b>	<b>minimum</b>	<b>maximum</b>	<b>Sample 1</b>	0.019
0.020	0.020	0.017	0.023	<b>Sample 2</b>	0.019
<b>Precision</b>		<b>sample min</b>	<b>sample max</b>	<b>Sample 3</b>	0.019
0		0.019	0.019		

all measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section

☐ Calibrated☒ Certified☐ Replaced dry gas standard (+O-ring)

Dry gas standard Lot No. (with tank no.)

AG226201-21

☒ Measurement Assurance Check☒ Run a Breath Test (Instrument Test)

(successful completion denotes satisfactory condition of the item)

<b>Standard (sea level)</b>	<b>PA Target</b>	<b>minimum</b>	<b>maximum</b>	<b>Sample 1</b>	0.100
0.100	0.100	0.097	0.103	<b>Sample 2</b>	0.100
<b>Precision</b>		<b>sample min</b>	<b>sample max</b>	<b>Sample 3</b>	0.100
0		0.100	0.100		

DFS Technician

*Donald B Hall*

Date

9/19/13

Issuing Analyst

*Melissa Kennedy*

Date

9/22/13

Intox EC/IR II QA Worksheet  
 Issued by Calibration and Training Program Manager  
 Issue Date: 4-March-2013

DFS Document 250-F113  
 Revision 6  
 Page 2 of 2

**Intox EC/IR-11: Certification**

*Department of Forensic Science*

Serial Number: 010595      Test Number: 1561  
Test Date: 09/18/2013      Test Time: 12:00 EDT

Technician Initials: DBH

Dry Gas Target: 0.249

Lot Number: 2961225012-10      Exp Date: 11/01/2014

Tank Pressure: 272 psi      Barometric Pressure: 757 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	12:00
BLK	0.000	12:01
CHK	0.247	12:02
BLK	0.000	12:03
CHK	0.247	12:04
BLK	0.000	12:06
CHK	0.246	12:07
BLK	0.000	12:08

**Success**

Standard Value (at sea level): 0.250 g/210L

Certification Status: Continued

**intox EC/1R-11: Certification**

*Department of Forensic Science*

Serial Number: 010595      Test Number: 1562  
Test Date: 09/18/2013      Test Time: 12:11 EDT

Technician Initials: DBH

Dry Gas Target: 0.149

Lot Number: 0651215014-07      Exp Date: 04/01/2014

Tank Pressure: 71 psi      Barometric Pressure: 757 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	12:12
BLK	0.000	12:12
CHK	0.149	12:13
BLK	0.000	12:15
CHK	0.149	12:15
BLK	0.000	12:17
CHK	0.149	12:18
BLK	0.000	12:19

**Success**

Standard Value (at sea level): 0.150 g/210L

Certification Status: Continued

**Intox EC/1R-11: Certification**

*Department of Forensic Science*

Serial Number: 010595      Test Number: 1563  
Test Date: 09/18/2013      Test Time: 12:21 EDT

Technician Initials: DBH

Dry Gas Target: 0.080

Lot Number: 0651208012-03      Exp Date: 04/01/2014

Tank Pressure: 237 psi      Barometric Pressure: 757 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	12:22
BLK	0.000	12:23
CHK	0.079	12:23
BLK	0.000	12:25
CHK	0.080	12:25
BLK	0.000	12:27
CHK	0.079	12:27
BLK	0.000	12:29

**Success**

Standard Value (at sea level): 0.080 g/210L

Certification Status: Continued

DBH

WJX

**Intox EC/IR-11: Certification**

*Department of Forensic Science*

Serial Number: 010595      Test Number: 1564  
Test Date: 09/18/2013      Test Time: 12:31 EDT

Technician Initials: DBH

Dry Gas Target: 0.020

Lot Number: 0651202011-05      Exp Date: 04/01/2014

Tank Pressure: 139 psi      Barometric Pressure: 757 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	12:31
BLK	0.000	12:32
CHK	0.019	12:33
BLK	0.000	12:34
CHK	0.019	12:35
BLK	0.000	12:36
CHK	0.019	12:37
BLK	0.000	12:38

**Success**

Standard Value (at sea level): 0.020 g/210L

Certification Status: Success



**Intox EC/IR-11: Accuracy Check**

*Department of Forensic Science*

Serial Number: 010595      Test Number: 1565

Test Date: 09/18/2013      Test Time: 12:41 EDT

Dry Gas Target: 0.299

Lot Number: AG322702-04      Exp Date: 08/15/2015

Tank Pressure: 370 psi      Barometric Pressure: 757 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	12:43
CHK	0.300	12:43
BLK	0.000	12:45
CHK	0.300	12:46
BLK	0.000	12:48
CHK	0.299	12:49

Test Status: *Success*

Calibration CRC: 00C55F9A

DBH  
NHL

**intox EC/1R-11: Accuracy Check**

*Department of Forensic Science*

Serial Number: 010595      Test Number: 1566

Test Date: 09/18/2013      Test Time: 12:52 EDT

Dry Gas Target: 0.100

Lot Number: AG226201-21      Exp Date: 09/18/2014

Tank Pressure: 620 psi      Barometric Pressure: 757 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	12:53
CHK	0.100	12:54
BLK	0.000	12:55
CHK	0.100	12:56
BLK	0.000	12:57
CHK	0.100	12:58

Test Status: *Success*

Calibration CRC: 00C55F9A




COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS  
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED <b>INSTRUMENT, TEST,</b>	NAME OF COURT <b>DFS</b>
---	-----------------------------

**BREATH ANALYSIS**

SAMPLE EXAMINED AND TEST CONDUCTED BY <b>HALL, DONALD, B</b>		AGENCY <b>DFS Central Lab</b>
DFS LICENSE NUMBER <b>21250</b>	LICENSE EXPIRES <b>10/01/2014</b>	DATE TEST CONDUCTED <b>09/18/2013</b>
TEST EQUIPMENT NUMBER <b>010595</b>		

RESULTS: TIME SAMPLE TAKEN 13:07 EDT  
SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

**ATTEST:**

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_\_\_.

BREATH TEST OPERATOR
----------------------

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS \_\_\_\_\_  
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS \_\_\_\_\_  
OPERATOR'S SIGNATURE



# IntoxNet MIS Report

Report Generated 19 Sep 2013 at 16:36

DBH

WJH

## Test Results

Instrument Serial Number 010595

Test # 001567 Subject Test

Test Location 1 Department of  
Test Date 18 Sep 2013

Test Location 2 Forensic Science  
Test Time 13:01  
Remote/Local Local

Test Location 3  
System Check Passed

Operator's Last Name HALL  
Agency DFS Central Lab

Operator's First Name DONALD

Operator's Middle Initial B

Card Serial Number 121250

License Number 21250

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 18 Sep 2013 End Time 13:08

Result Time 13:07

Result Date 18 Sep 2013 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 13:01

Data Type BLK

Sample Value 0.000

Sample Time 13:02

Data Type CHK

Sample Value 0.099

Sample Time 13:03

Data Type BLK

Sample Value 0.000

Sample Time 13:04

Data Type SUBJ

Sample Value 0.000

Sample Time 13:05

Data Type BLK

Sample Value 0.000

Sample Time 13:06

Data Type SUBJ

Sample Value 0.000

Sample Time 13:07

Data Type BLK

Sample Value 0.000

Sample Time 13:08

Standard Type Dry Gas Std

Standard Value 0.100

Standard Lot Number AG226201-21

Standard Expiration Date 09/18/2014

Tank Pressure 610

Barometric Pressure 757 mmHg

Blow Sample Number 1 Blow Duration 3.43 sec

Blow Volume 1901 cc End-of-Blow Time 13:05

Blow Sample Number 2 Blow Duration 3.36 sec

Blow Volume 1725 cc End-of-Blow Time 13:07

Tamper Evident Stamp 7aedd5ab

Test Status Code 0

Test Status Success